

Coating Thickness Gauge iThick-400



iThick-400

Product Introduction:

iThick-400 coating thickness gauge is a widely used amphibious equipment for magnetic and non-magnetic testing. Its technical specifications are in full compliance with national standards.

It is a kind of portable coating thickness gauge with both magnetism and eddy current, which can test the coating and layer thickness quickly, precisely and without damage. It can be used in both laboratory and project site. It can be widely used in manufacturing, metal processing industry, chemical industry, commodities inspection, and other areas of the testing. It is a necessary instrument for the material protection.

Product Features:

1. Applies magnetic and eddy current thickness test methods. It can not only test non-magnetic covered thickness in the magnetic metal, but also magnetic covered thickness in the non-magnetic metal;
2. Automatically identify ferro matrix and non-ferro matrix;
3. Single-point calibration and two-points calibration can be applied;
4. use basic calibration method to update and correct probe system error, ensure measuring accuracy;
5. negative display function, to ensure the accuracy of the instrument zero point calibration, improve

the test accuracy;

6. operation process have hum tip;

7. two shutdown mode: manual shutdown mode and automatic shutdown mode;

8. battery voltage indicator: low voltage tip;

9. micro power design, less than 10 micromaps of current in standby state .

10. measurement methods: F-Magnetic Induction/NF-Eddy Current.

Specifications:

Product name	Coating thickness gauge
Measuring range	0~1250um (customizable)
Resolution	0.1/1
Minimal surface	Concave 5mm/ convex 5mm
Minimal test area	10×10mm
Thinnest basal	0.4mm
Test environment	Temp 0-40°C / humid 10-85%RH
Precision error	Zero calibration $\pm (1+3\%H)$ / two-points calibration 【 $(1\% \sim 3\%H)$ 】 H+1.5
Metric/ English system	102mm x 66mm x24mm (convertible dimension)
Power supply	Two 5th batteries
weight	99g (including battery)

Standard delivery:

Enclosure	Name	Quantity
Standard delivery	Calibration foil: 50 μ m、 100 μ m、 250 μ m、 500 μ m、 1000 μ m	5
	Matrix: iron matrix, non-ferrous matrix	2
	instructions	1
	battery	2
	Warranty card	1
Optional delivery	Calibration foil: 12 μ m、 25 μ m	/

Testing pictures:

In a small space at the corner of the pipe surface paint layer and high altitude test outdoor products coatings:



Test inside thickness and negative coating thickness:



Test On the aluminum surface oxidation film and dacromet coating :

